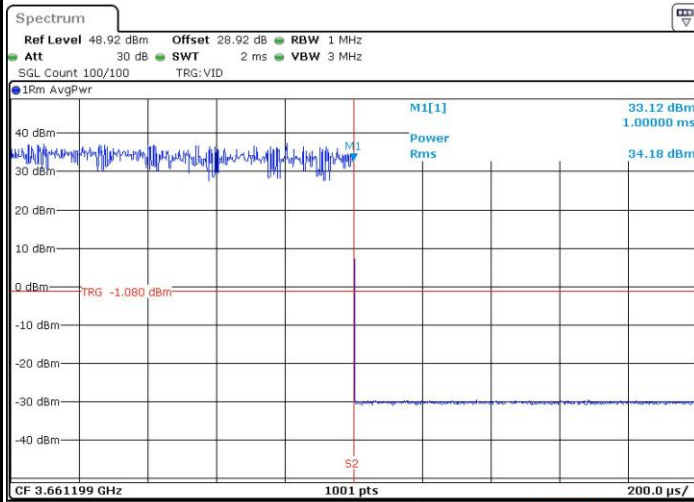




FR1 n48 / 40MHz / DFT OFDM

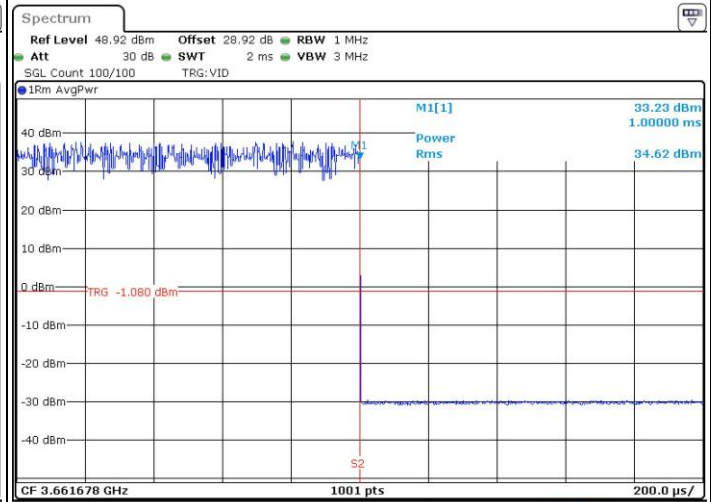
Highest channel

1RB0 BPSK



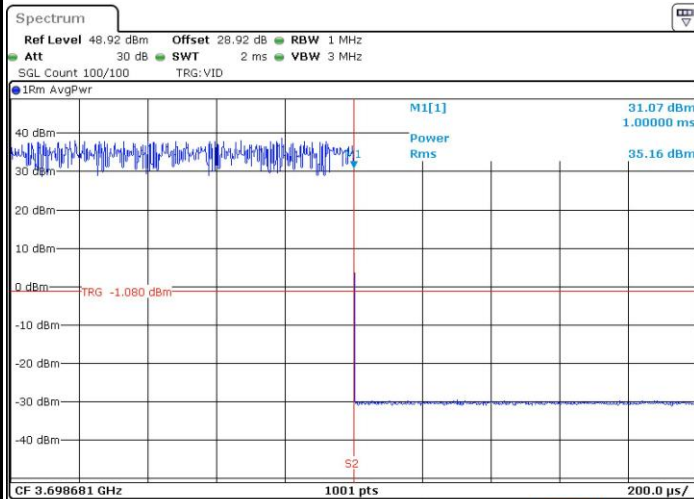
Date: 16.SEP.2022 16:35:42

1RB1 BPSK



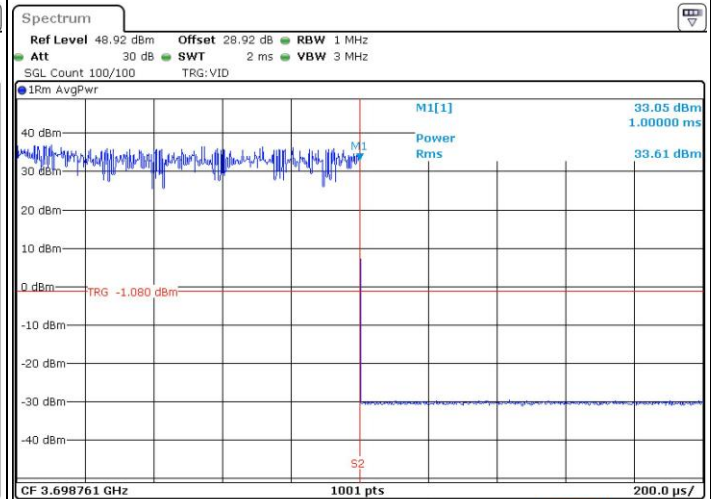
Date: 16.SEP.2022 16:23:56

1RB104 BPSK



Date: 16.SEP.2022 16:58:47

1RB105 BPSK



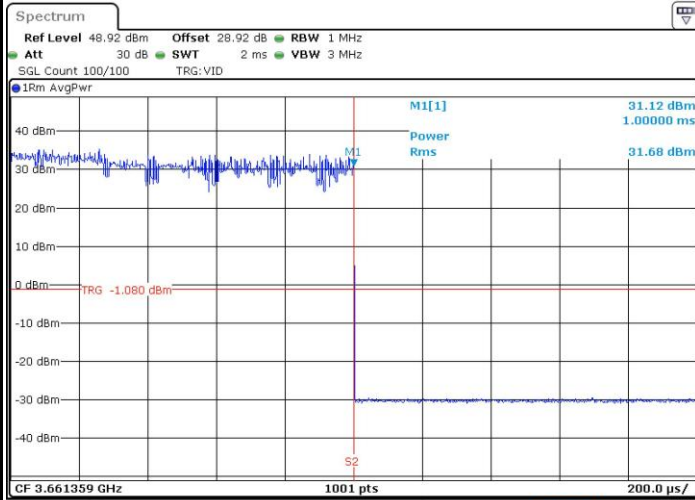
Date: 16.SEP.2022 16:45:16



FR1 n48 / 40MHz / DFT OFDM

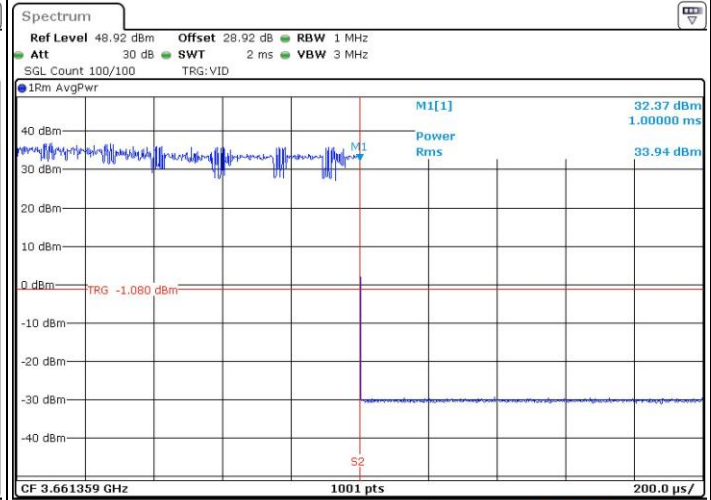
Highest channel

1RB0 QPSK



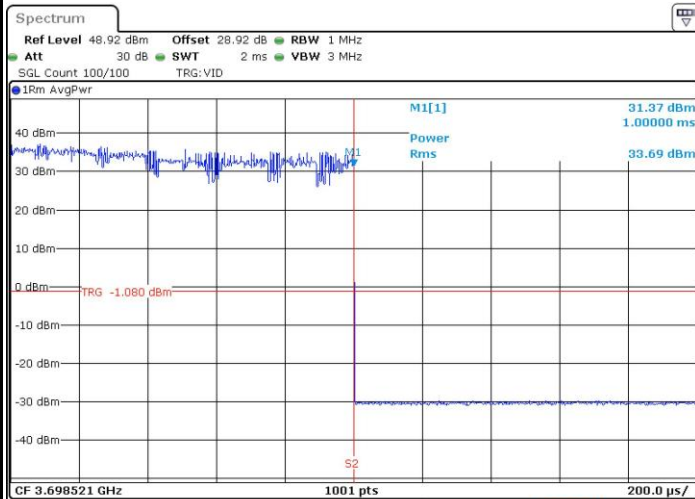
Date: 16.SEP.2022 16:36:50

1RB1 QPSK



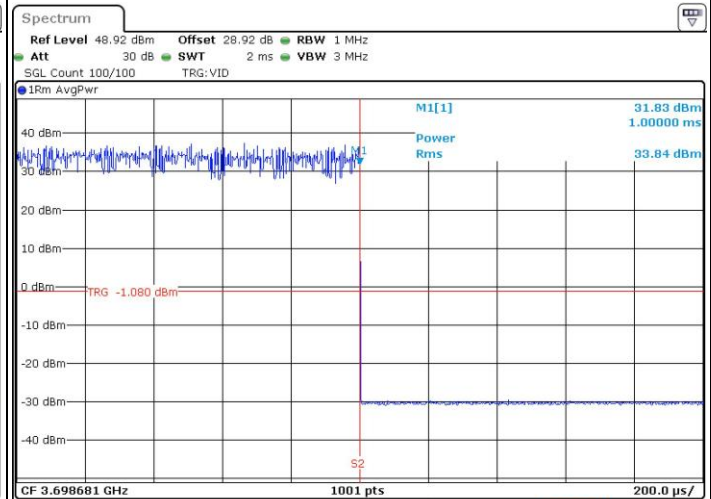
Date: 16.SEP.2022 16:24:54

1RB104 QPSK



Date: 16.SEP.2022 16:59:47

1RB105 QPSK



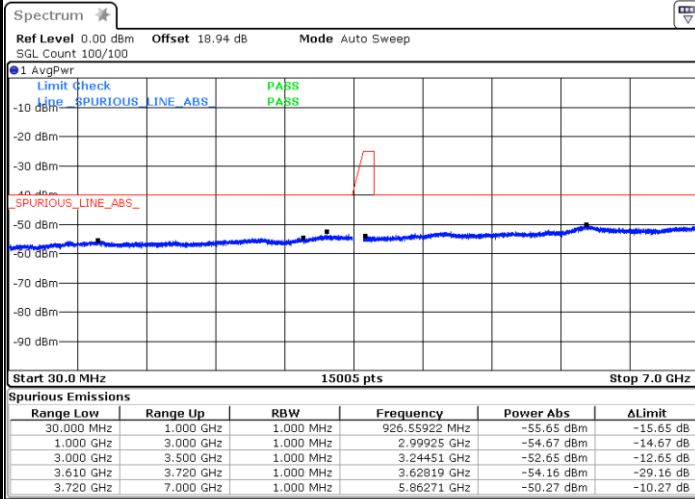
Date: 16.SEP.2022 16:46:15



Conducted Spurious Emission

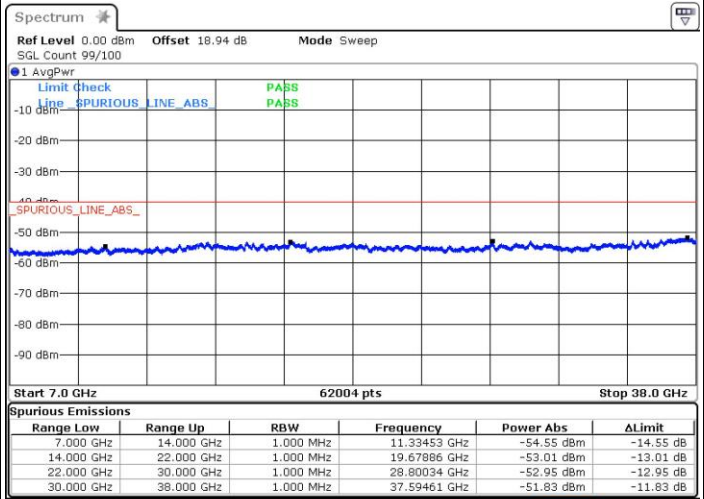
FR1 n48 / 10MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



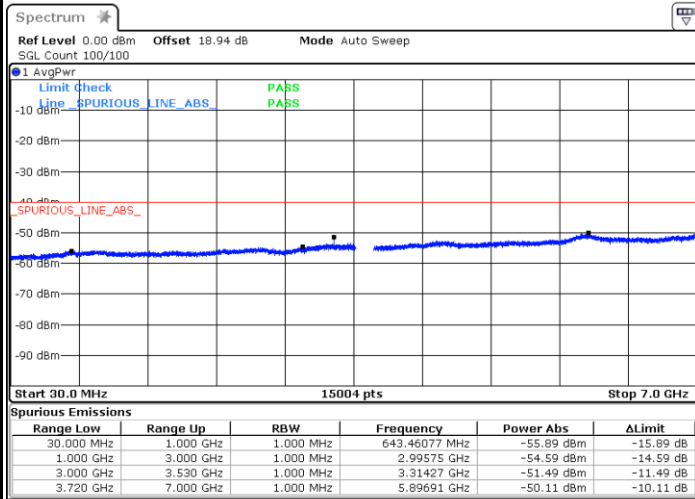
Date: 19.SEP.2022 10:32:18

Lowest Channel



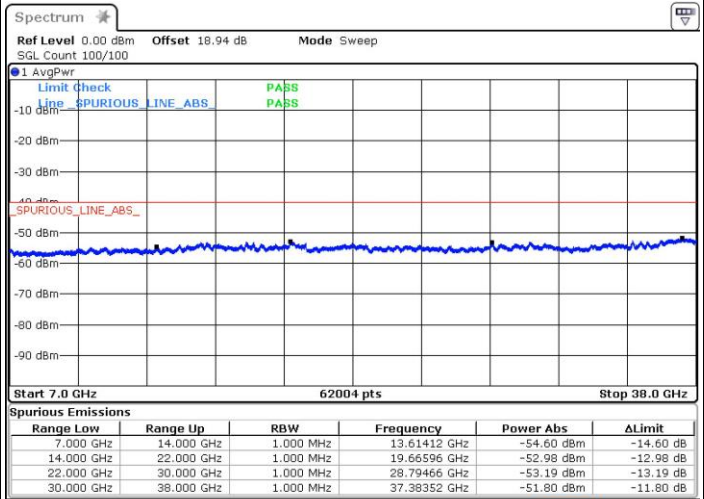
Date: 19.SEP.2022 10:33:58

Middle Channel



Date: 19.SEP.2022 10:29:28

Middle Channel



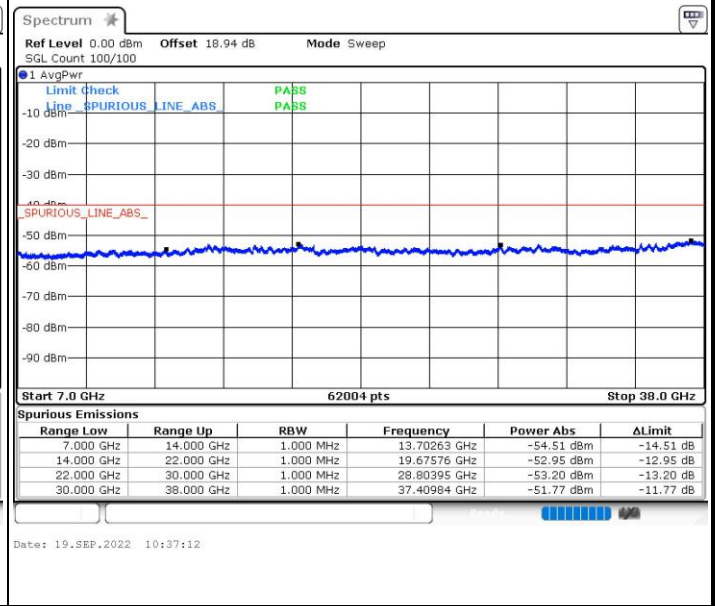
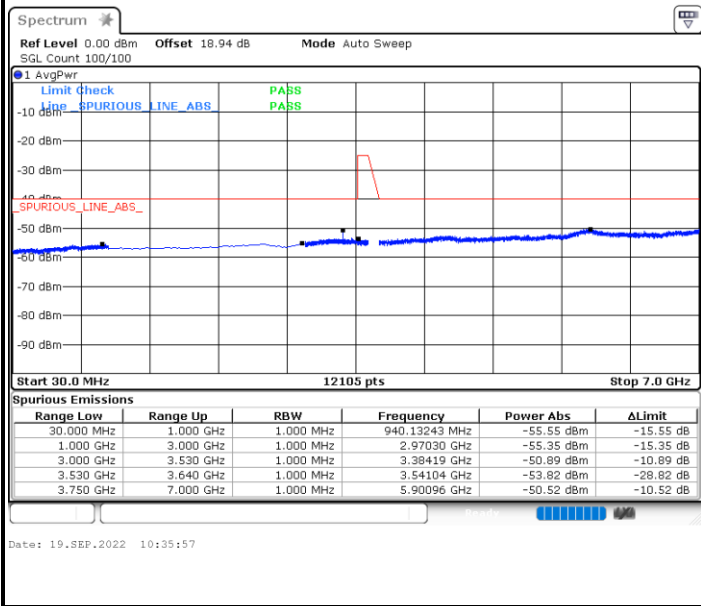
Date: 19.SEP.2022 10:30:48



FR1 n48 / 10MHz / DFT-S OFDM / QPSK / 1RB1

Highest Channel

Middle Channel





Frequency Stability

Test Conditions		FR1 n48 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 1.
		Deviation (ppm)	Result
50	Normal Voltage	0.034	PASS
40	Normal Voltage	0.026	
30	Normal Voltage	0.019	
20(Ref.)	Normal Voltage	0.000	
10	Normal Voltage	0.002	
0	Normal Voltage	0.007	
-10	Normal Voltage	0.036	
-20	Normal Voltage	0.041	
-30	Normal Voltage	0.050	

Note:

1. Normal Voltage =48 V. ; Minimum Voltage =37 V. ; Maximum Voltage =57 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



MIMO <Ant. 1>

Peak-to-Average Ratio

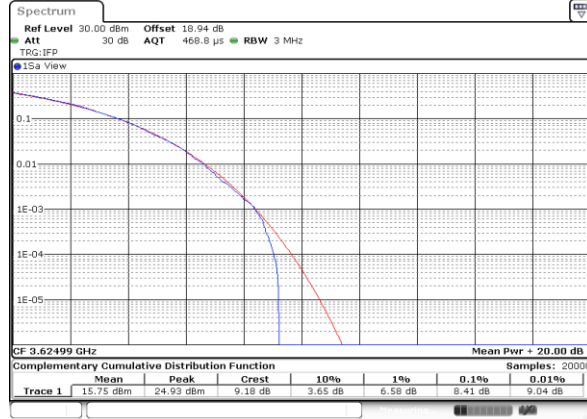
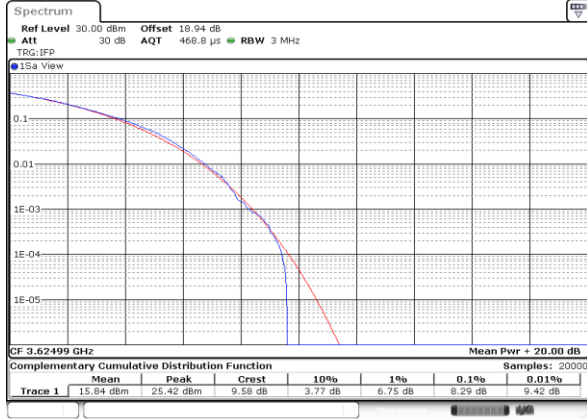
Mode	FR1 n48 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	8.29	8.41	8.35	8.70	PASS



FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

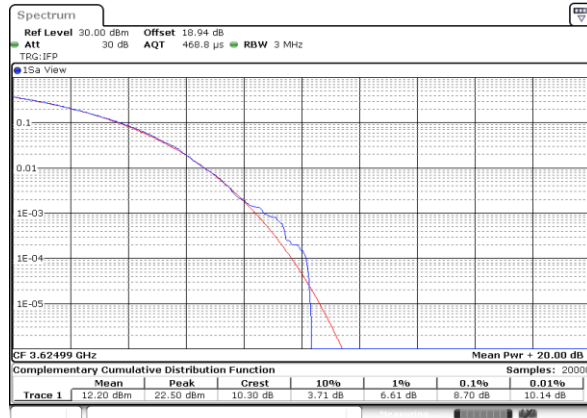
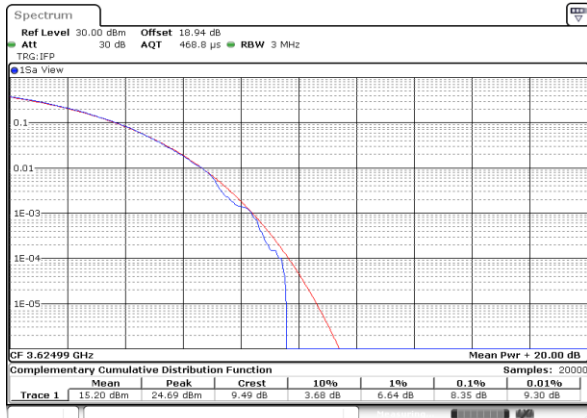


Date: 22.AUG.2022 10:58:22

Date: 22.AUG.2022 10:59:11

64QAM

256QAM



Date: 22.AUG.2022 11:07:00

Date: 22.AUG.2022 11:07:48



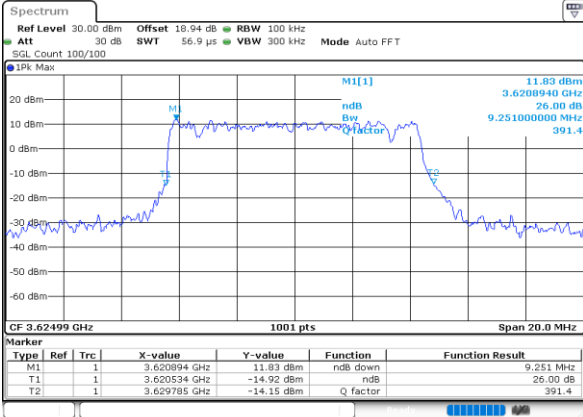
26dB Bandwidth

Mode	FR1 n48 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		20MHz		30MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.25	9.01	19.38	19.54	29.31	29.01	40.36	40.44
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.31	9.41	19.26	19.18	28.89	28.89	40.28	40.52



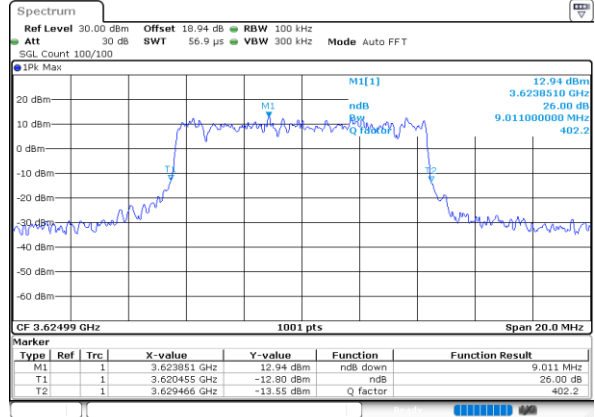
FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



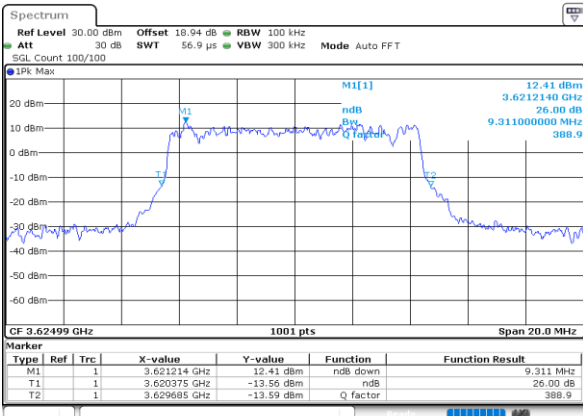
Date: 22.AUG.2022 11:25:15

16QAM



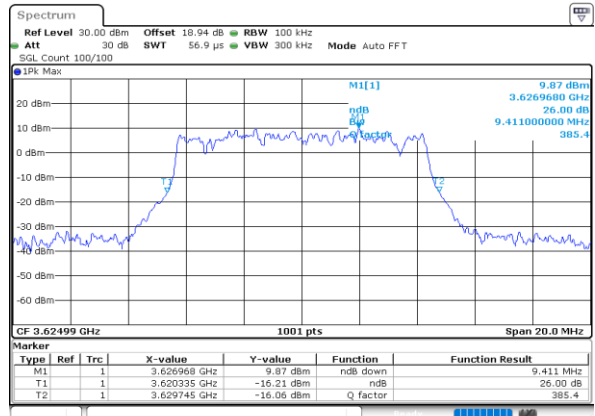
Date: 22.AUG.2022 11:27:42

64QAM



Date: 22.AUG.2022 11:32:35

256QAM

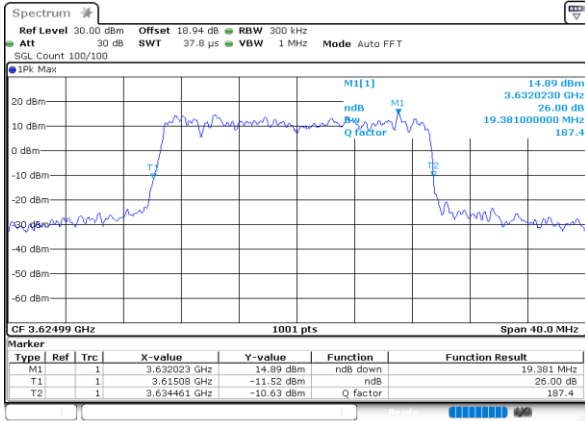


Date: 22.AUG.2022 11:23:41



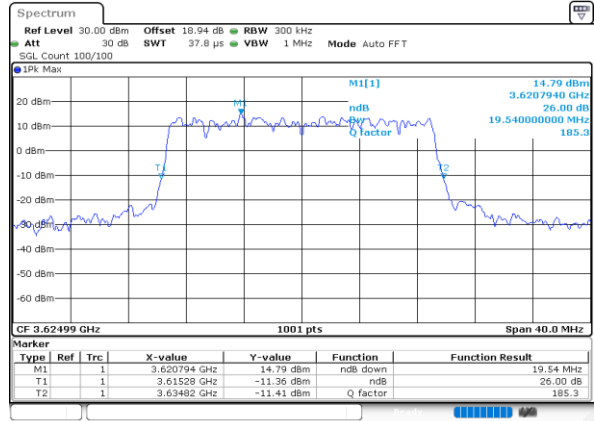
FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



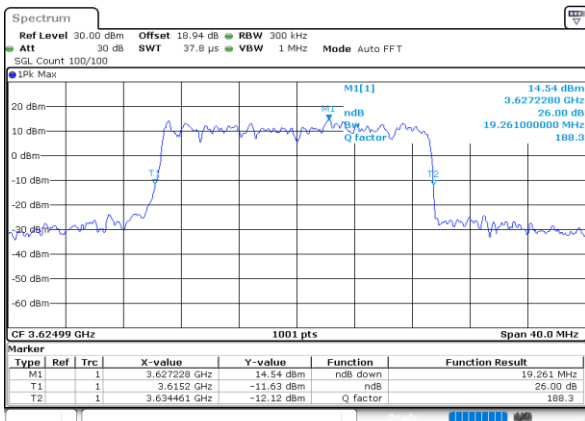
Date: 22.AUG.2022 11:11:26

16QAM



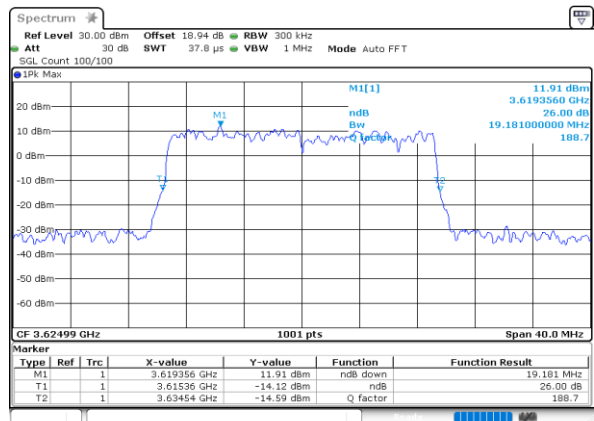
Date: 22.AUG.2022 11:12:49

64QAM



Date: 22.AUG.2022 11:13:41

256QAM

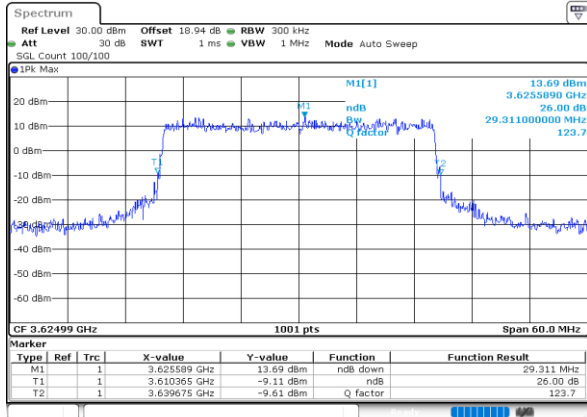


Date: 22.AUG.2022 11:09:04



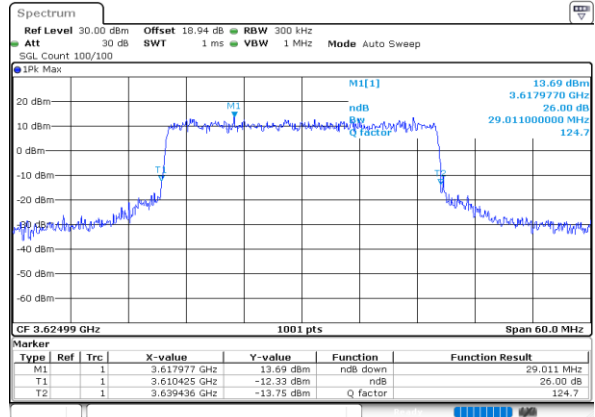
FR1 n48 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



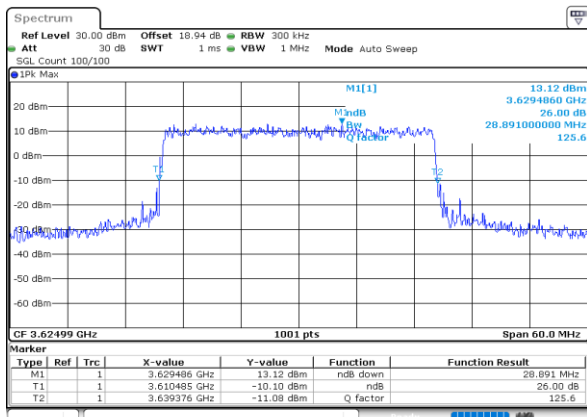
Date: 24.AUG.2022 15:13:31

16QAM



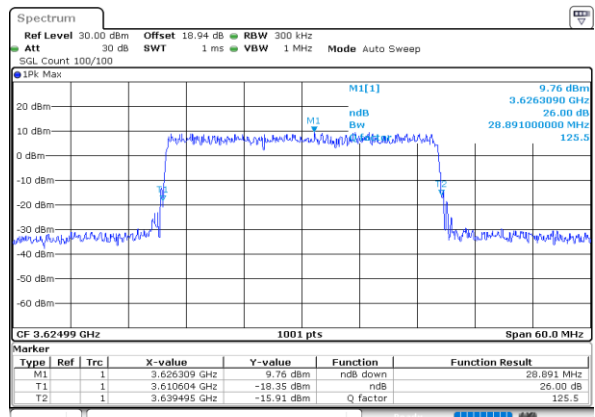
Date: 24.AUG.2022 15:15:51

64QAM



Date: 24.AUG.2022 15:16:40

256QAM

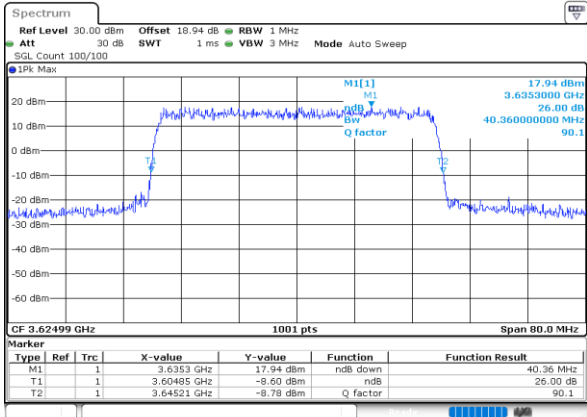


Date: 24.AUG.2022 15:18:46



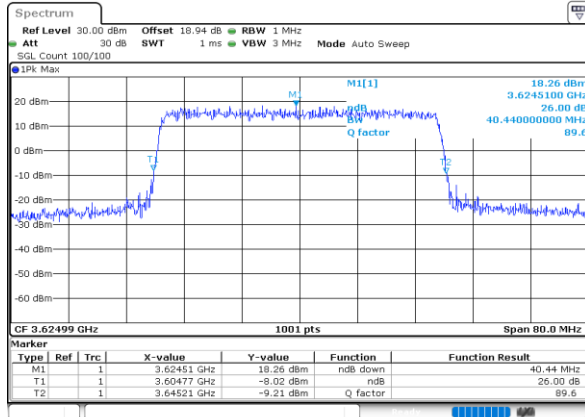
FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



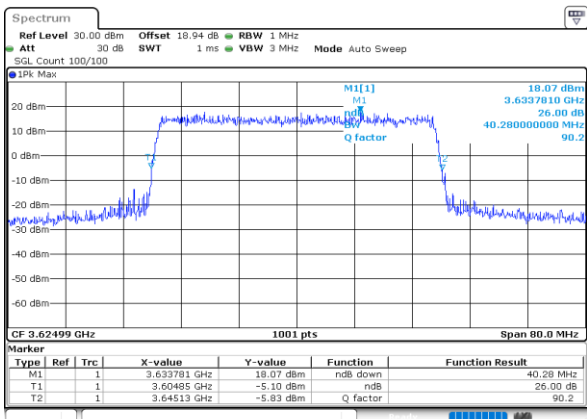
Date: 22.AUG.2022 11:18:33

16QAM



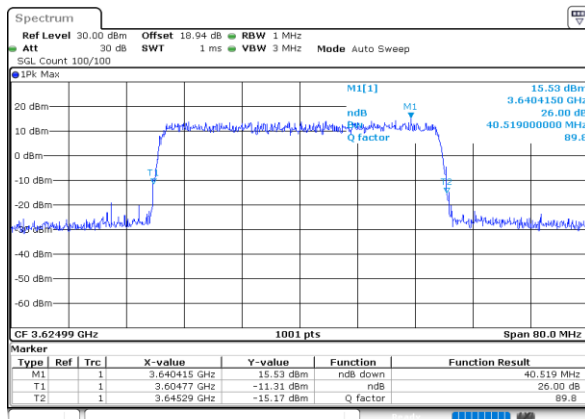
Date: 22.AUG.2022 11:19:43

64QAM



Date: 22.AUG.2022 11:20:59

256QAM



Date: 22.AUG.2022 11:22:04



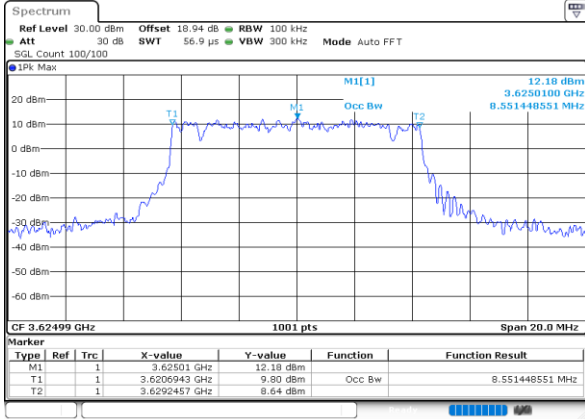
Occupied Bandwidth

Mode	FR1 n48 : OB BW(MHz) / CP OFDM							
BW	10MHz		20MHz		30MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.55	8.61	18.10	18.38	27.81	27.81	38.04	38.04
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.57	8.63	18.26	18.26	27.93	27.87	38.12	38.04



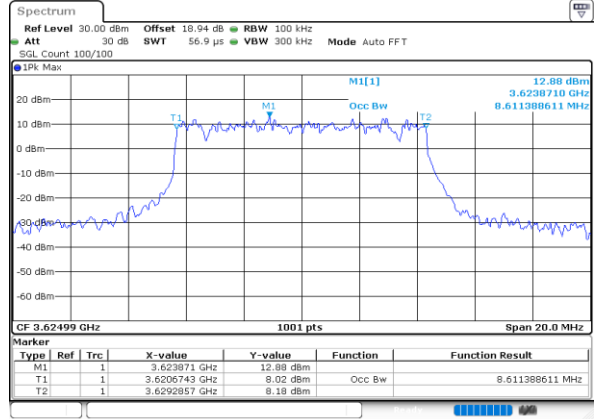
FR1 n48 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



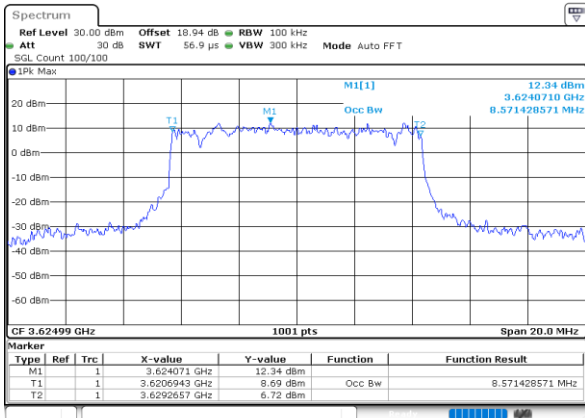
Date: 22.AUG.2022 11:24:53

16QAM



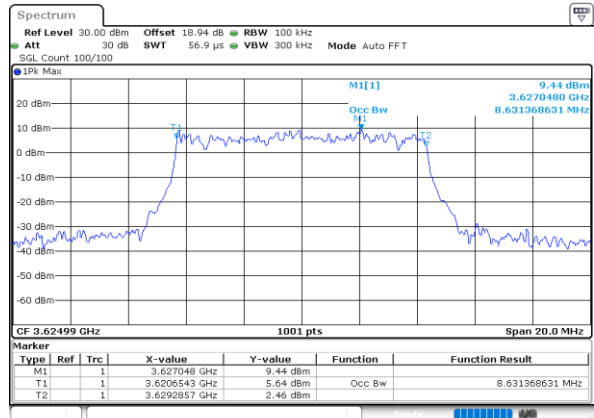
Date: 22.AUG.2022 11:27:24

64QAM



Date: 22.AUG.2022 11:32:20

256QAM

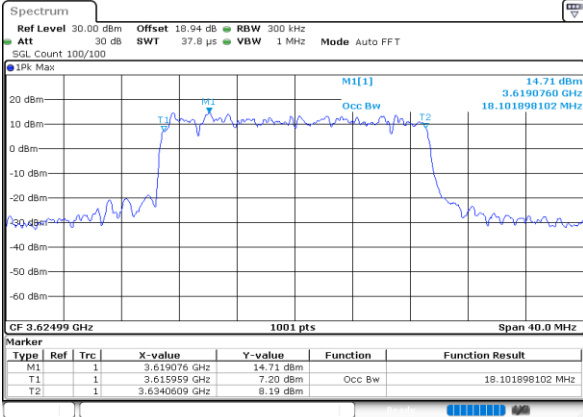


Date: 22.AUG.2022 11:23:20



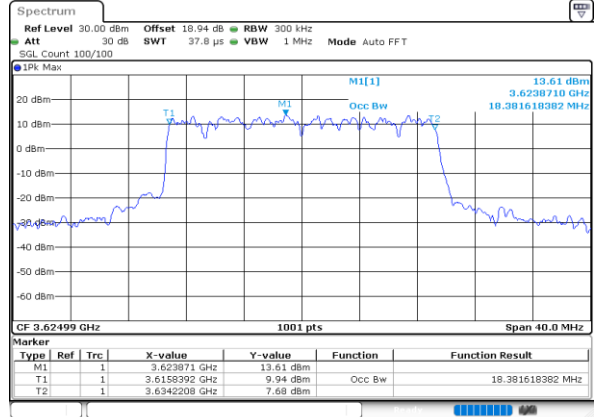
FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



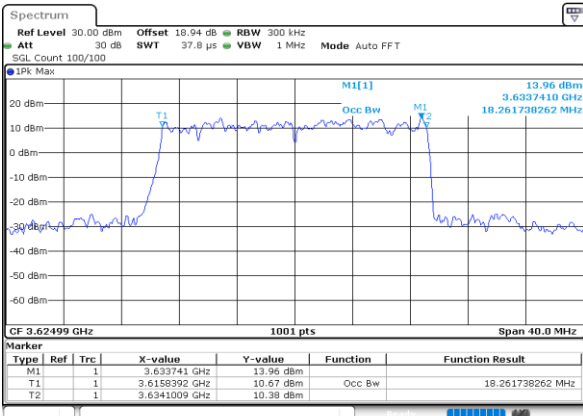
Date: 22.AUG.2022 11:11:00

16QAM



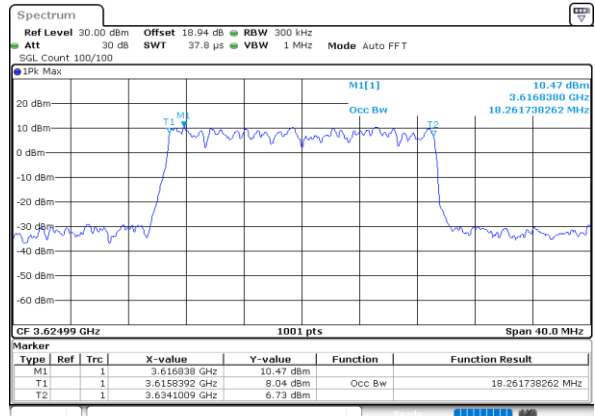
Date: 22.AUG.2022 11:12:28

64QAM



Date: 22.AUG.2022 11:13:29

256QAM

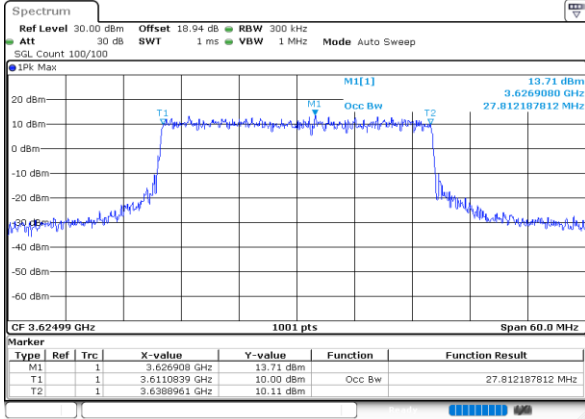


Date: 22.AUG.2022 11:10:05



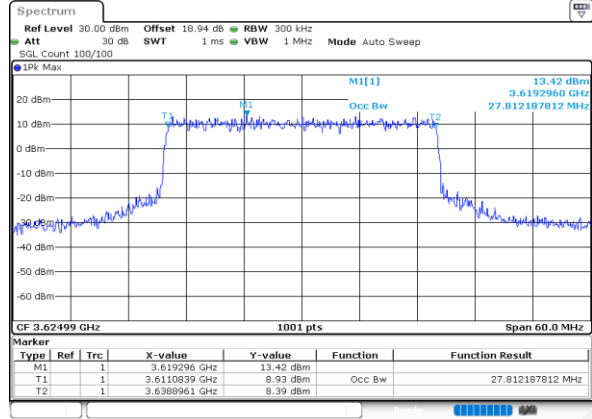
FR1 n48 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



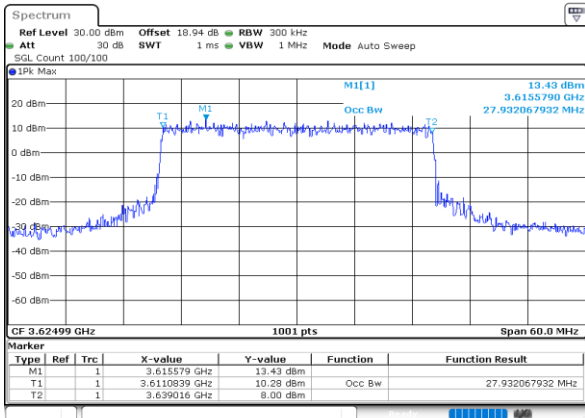
Date: 24.AUG.2022 15:13:10

16QAM



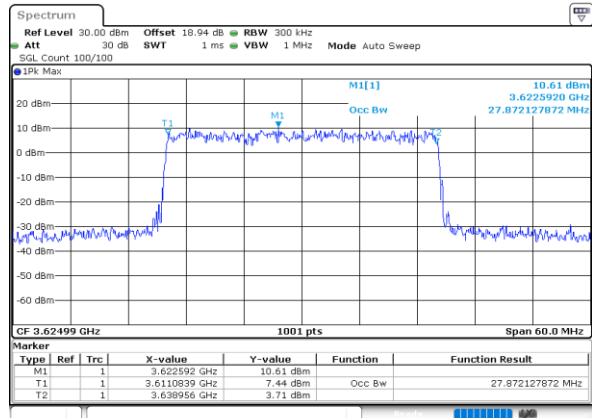
Date: 24.AUG.2022 15:15:35

64QAM



Date: 24.AUG.2022 15:16:25

256QAM

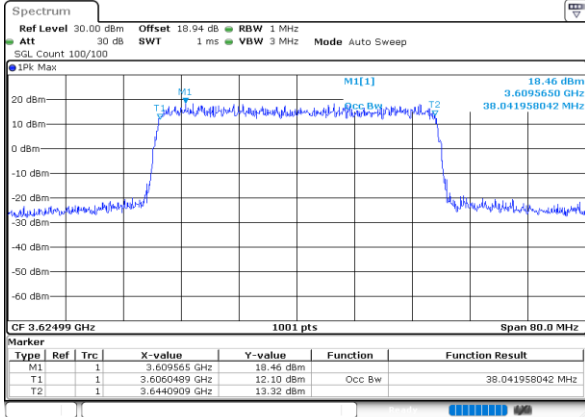


Date: 24.AUG.2022 15:18:20



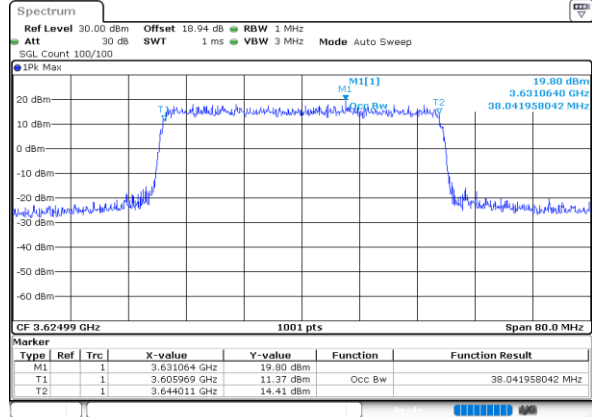
FR1 n48 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



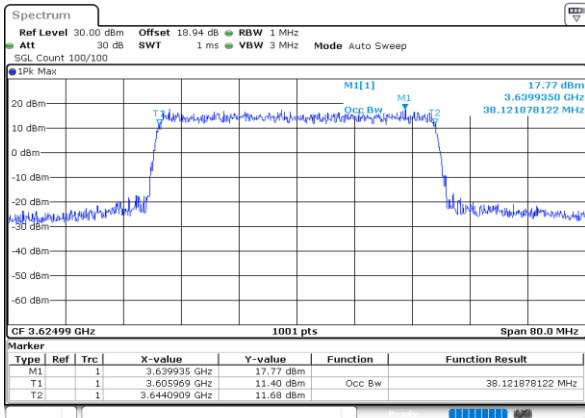
Date: 22.AUG.2022 11:18:01

16QAM



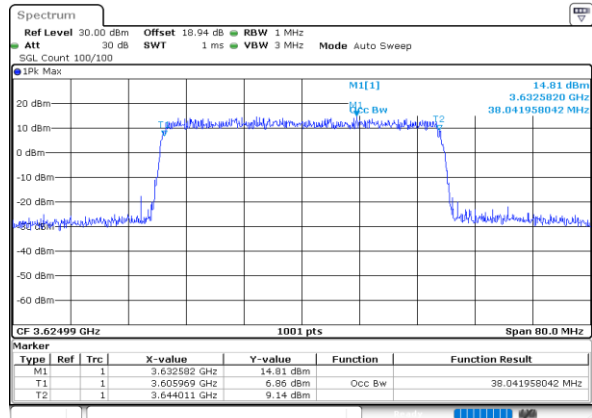
Date: 22.AUG.2022 11:19:22

64QAM



Date: 22.AUG.2022 11:20:26

256QAM



Date: 22.AUG.2022 11:21:46



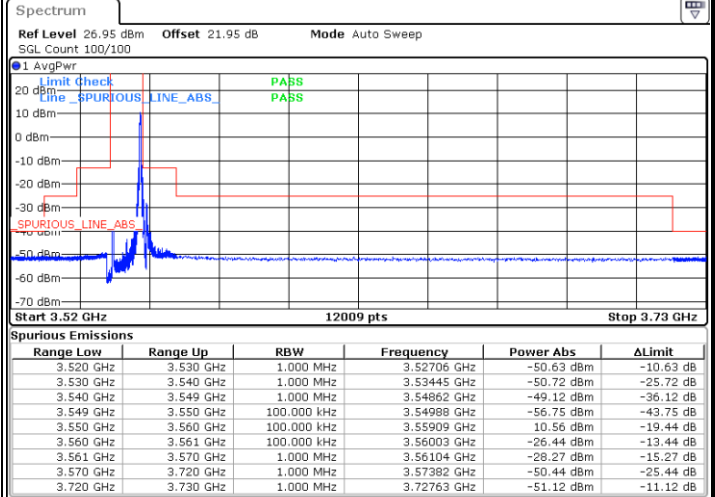
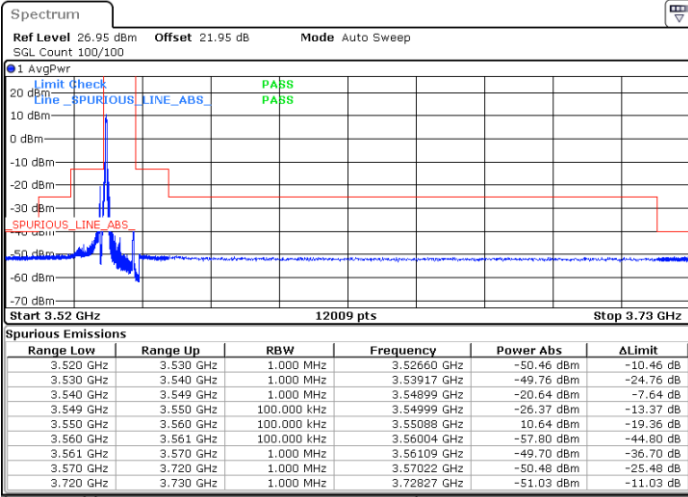
Unwanted Emission (MASK)

FR1 n48 / 10MHz / CP OFDM / QPSK

Lowest Channel

1RB0

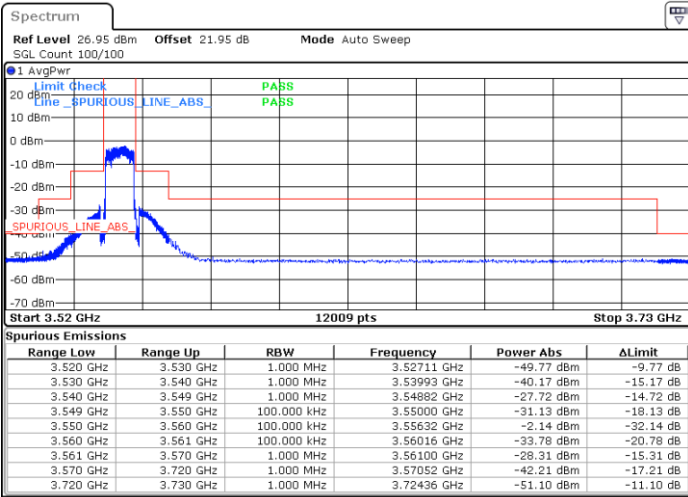
1RBmax



Date: 19.SEP.2022 13:49:27

Date: 19.SEP.2022 13:58:59

Full RB



Date: 19.SEP.2022 13:40:04

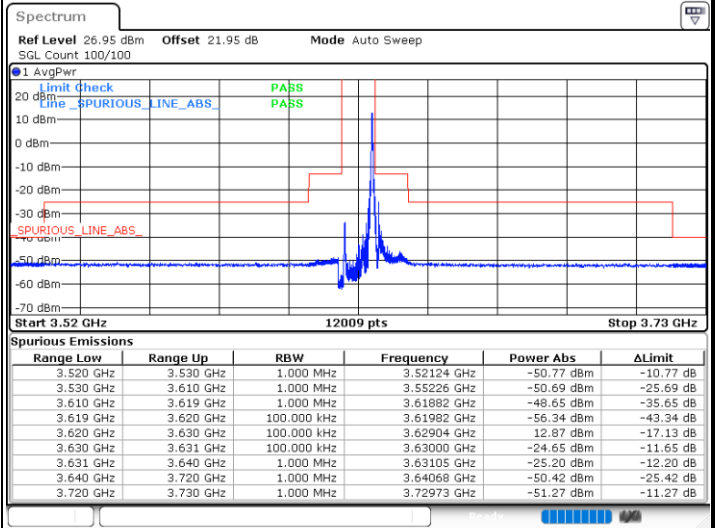
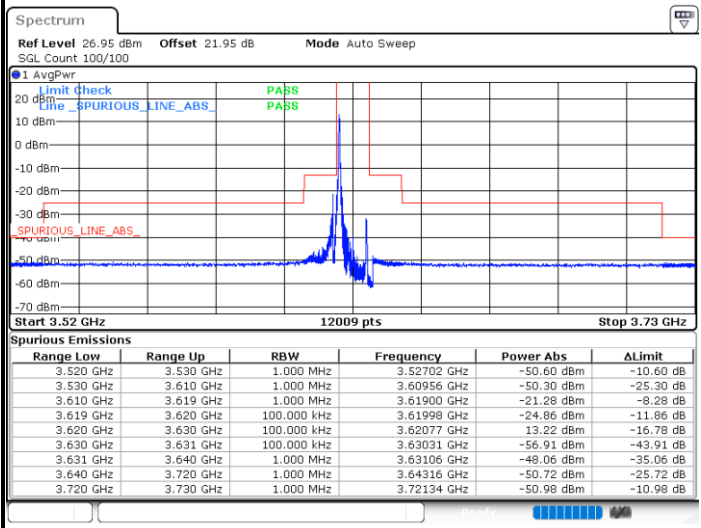


FR1 n48 / 10MHz / CP OFDM / QPSK

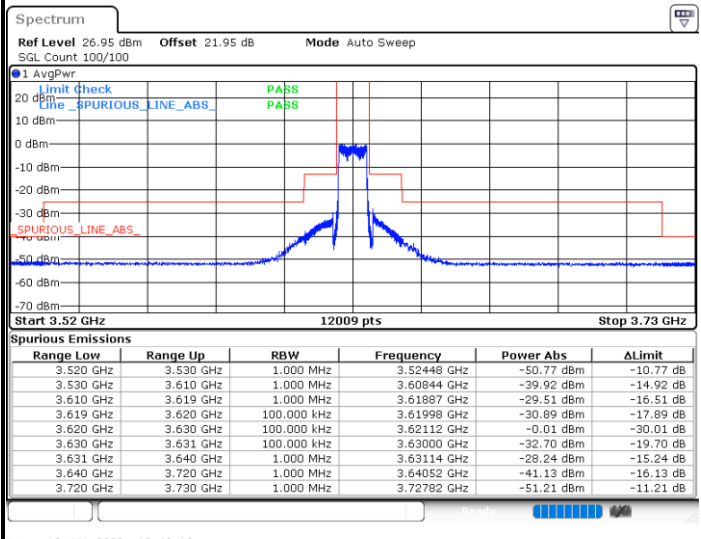
Middle Channel

1RB0

1RBmax



Full RB



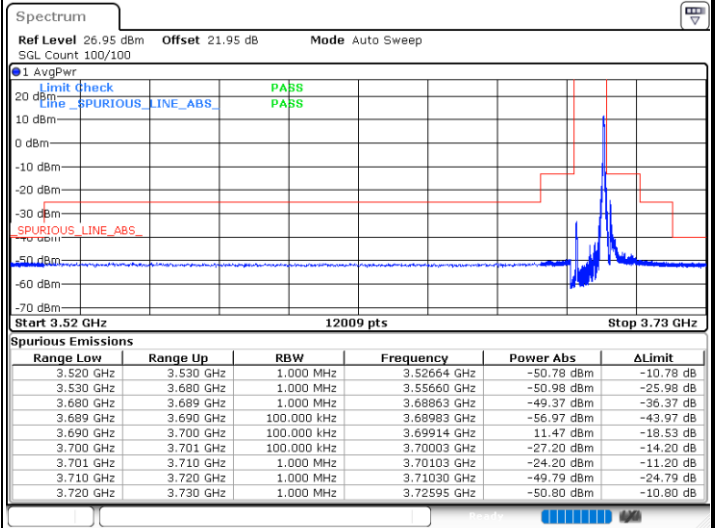
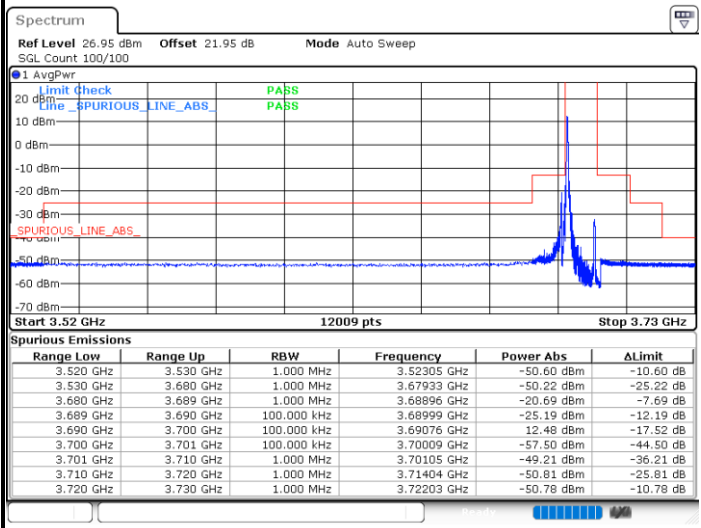


FR1 n48 / 10MHz / CP OFDM / QPSK

Highest Channel

1RB0

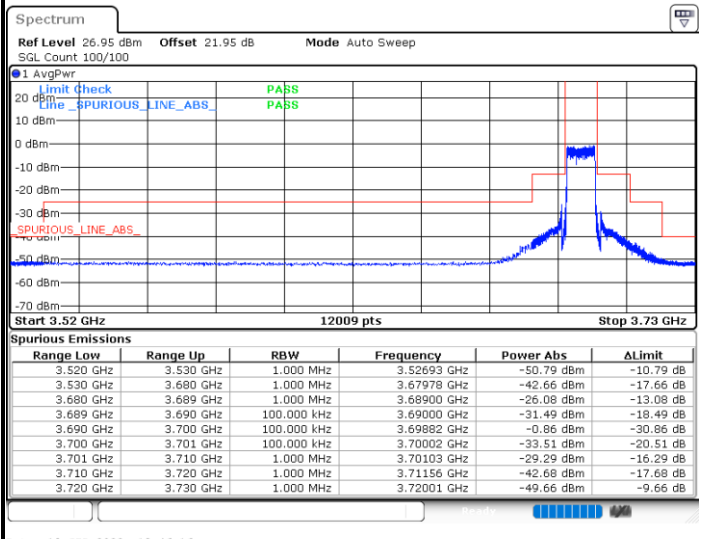
1RBmax



Date: 19.SEP.2022 13:55:43

Date: 19.SEP.2022 14:05:54

Full RB



Date: 19.SEP.2022 13:46:16

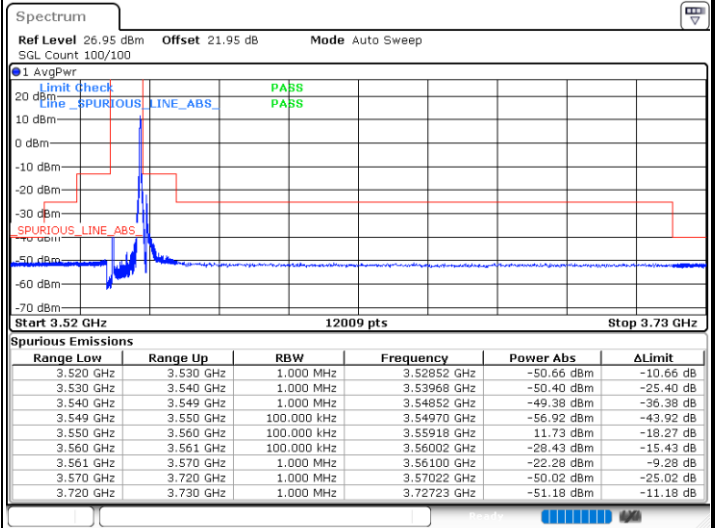
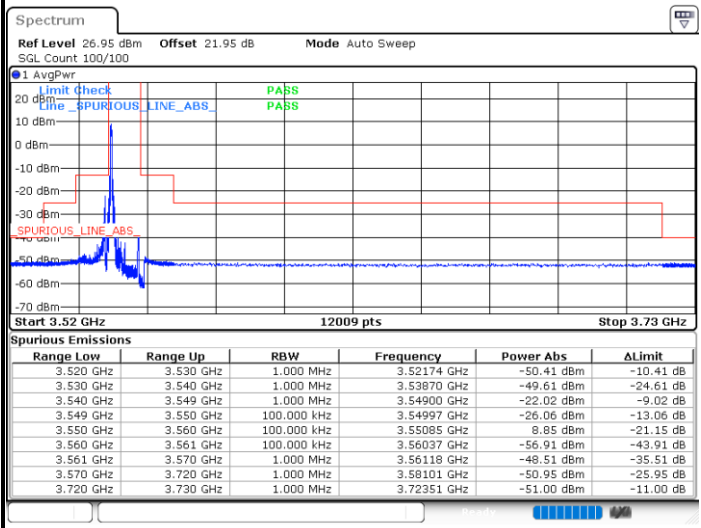


FR1 n48 / 10MHz / CP OFDM / 16QAM

Lowest Channel

1RB0

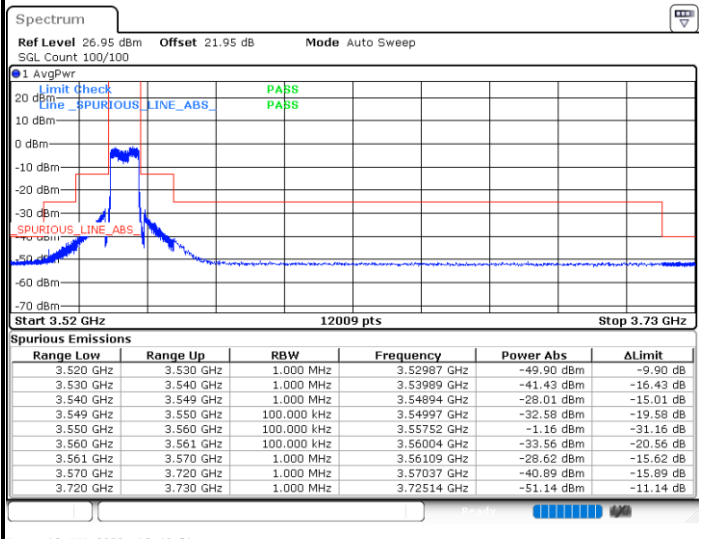
1RBmax



Date: 19.SEP.2022 13:50:07

Date: 19.SEP.2022 13:59:38

Full RB



Date: 19.SEP.2022 13:40:51

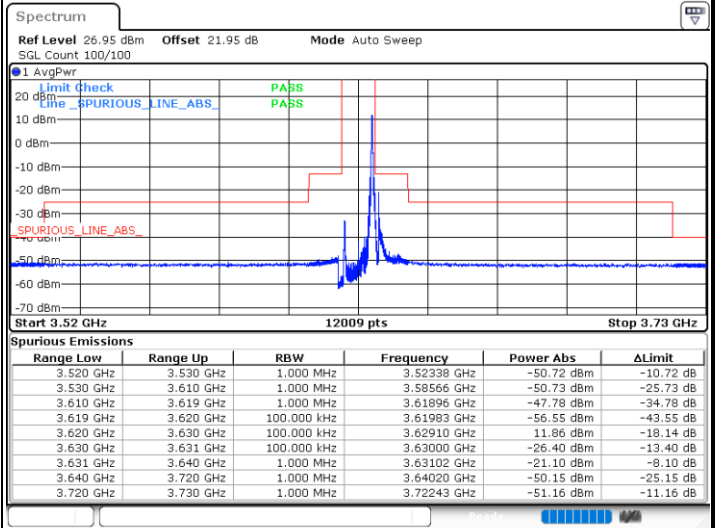
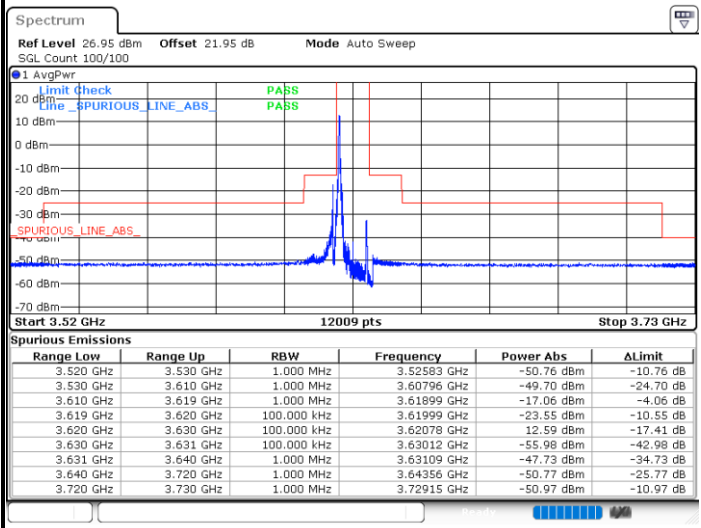


FR1 n48 / 10MHz / CP OFDM / 16QAM

Middle Channel

1RB0

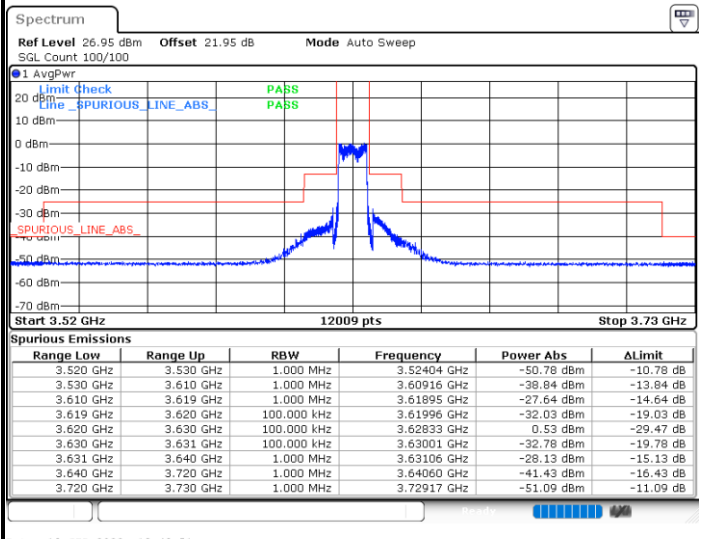
1RBmax



Date: 19.SEP.2022 13:53:17

Date: 19.SEP.2022 14:02:36

Full RB



Date: 19.SEP.2022 13:43:51

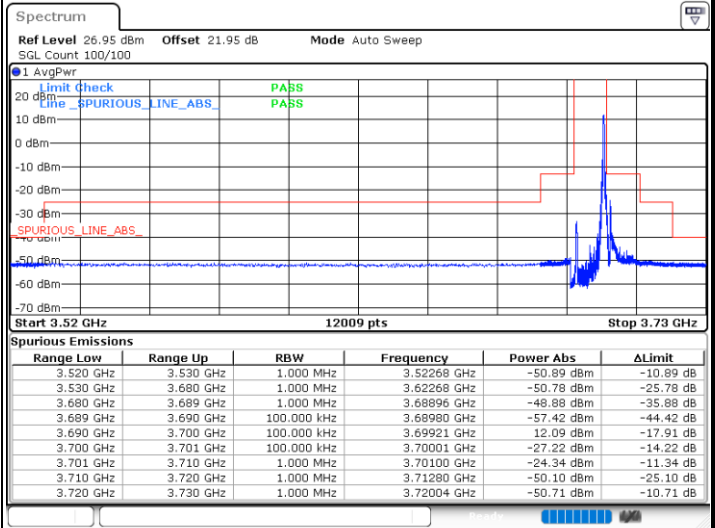
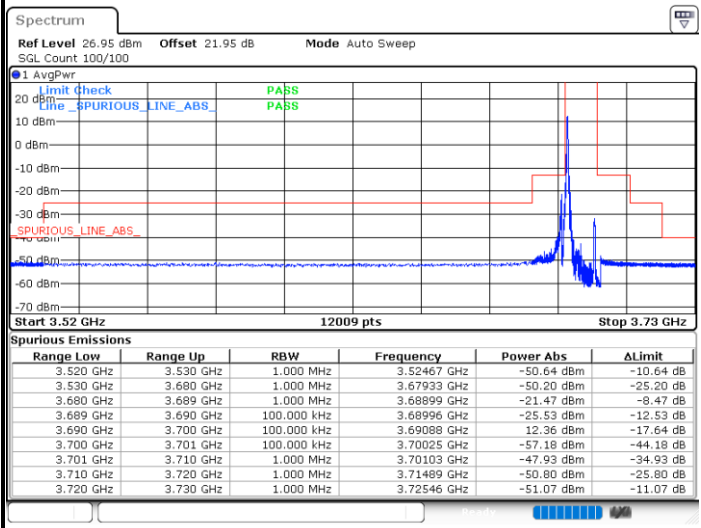


FR1 n48 / 10MHz / CP OFDM / 16QAM

Highest Channel

1RB0

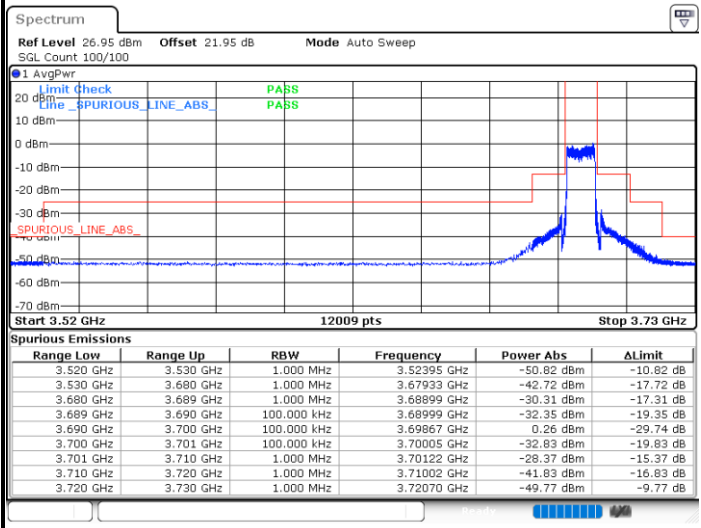
1RBmax



Date: 19.SEP.2022 13:56:31

Date: 19.SEP.2022 14:07:50

Full RB



Date: 19.SEP.2022 13:46:50

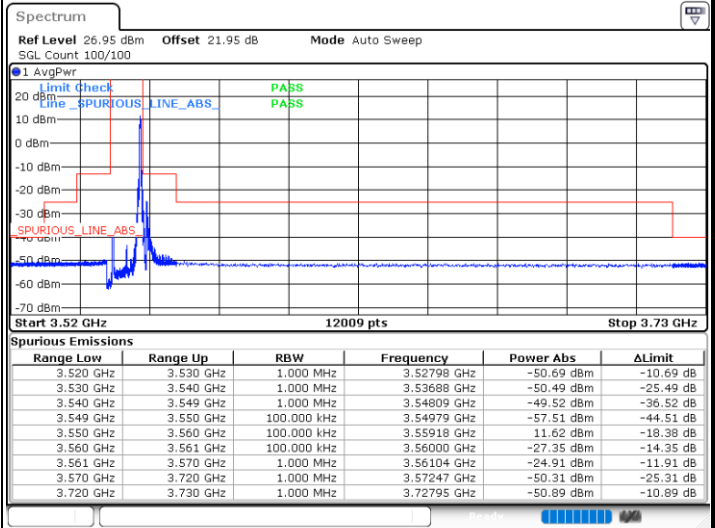
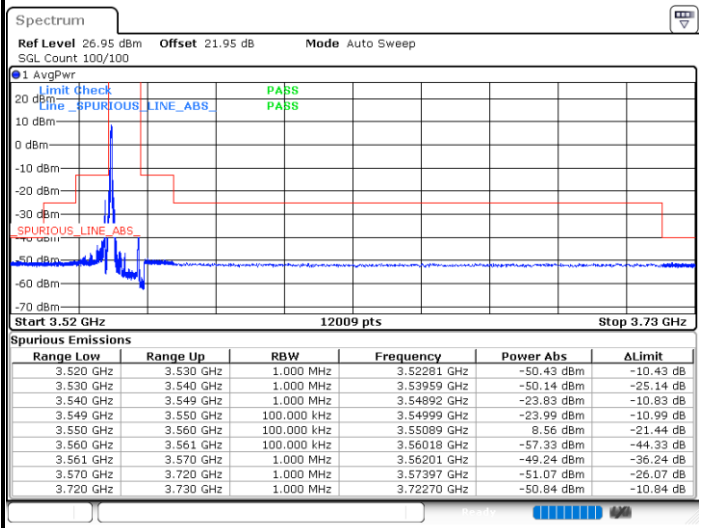


FR1 n48 / 10MHz / CP OFDM / 64QAM

Lowest Channel

1RB0

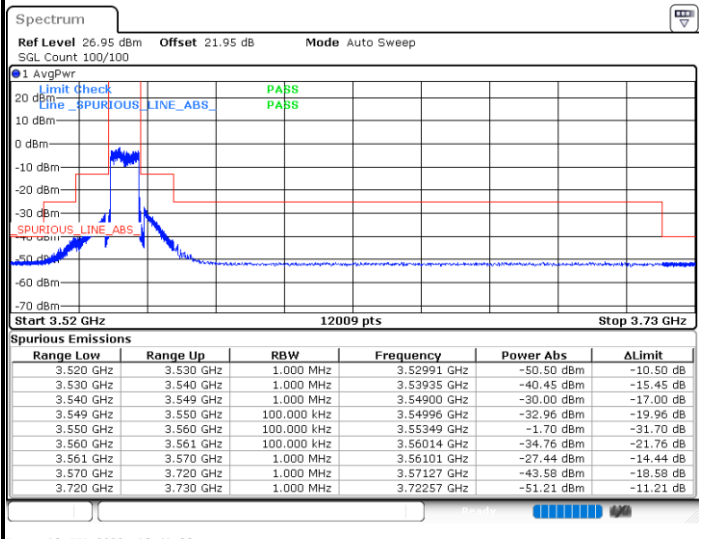
1RBmax



Date: 19.SEP.2022 13:50:51

Date: 19.SEP.2022 14:00:24

Full RB



Date: 19.SEP.2022 13:41:38

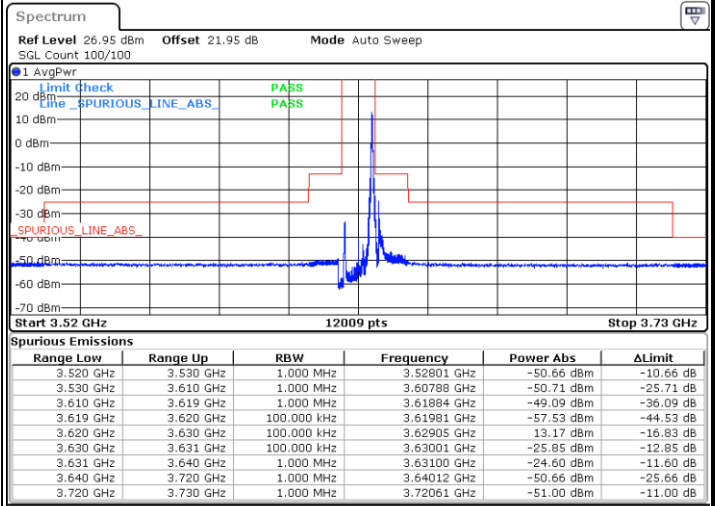
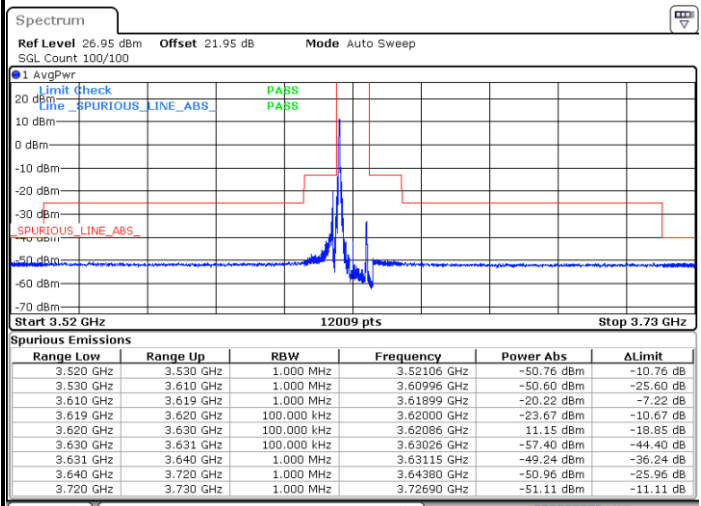


FR1 n48 / 10MHz / CP OFDM / 64QAM

Middle Channel

1RB0

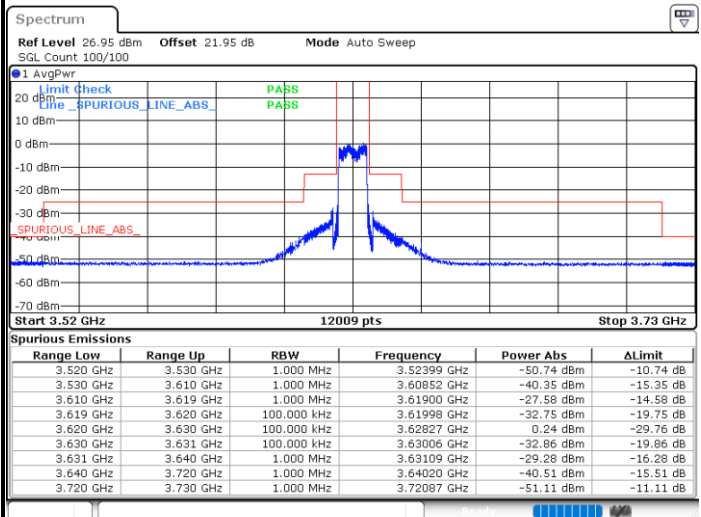
1RBmax



Date: 19.SEP.2022 13:54:04

Date: 19.SEP.2022 14:03:20

Full RB



Date: 19.SEP.2022 13:44:30

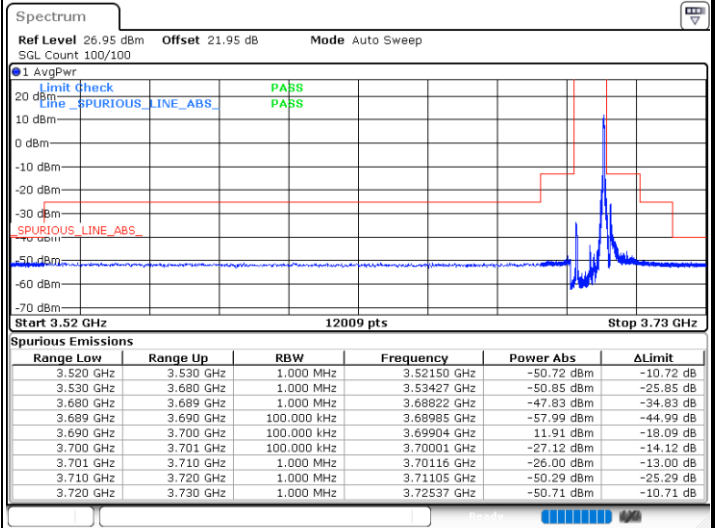
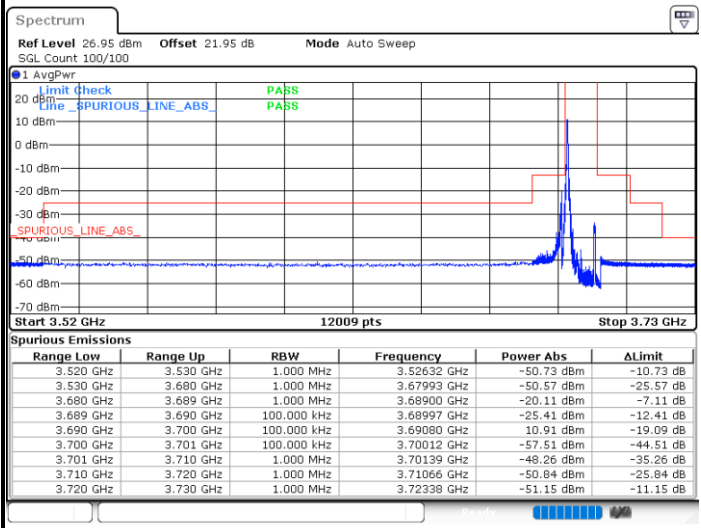


FR1 n48 / 10MHz / CP OFDM / 64QAM

Highest Channel

1RB0

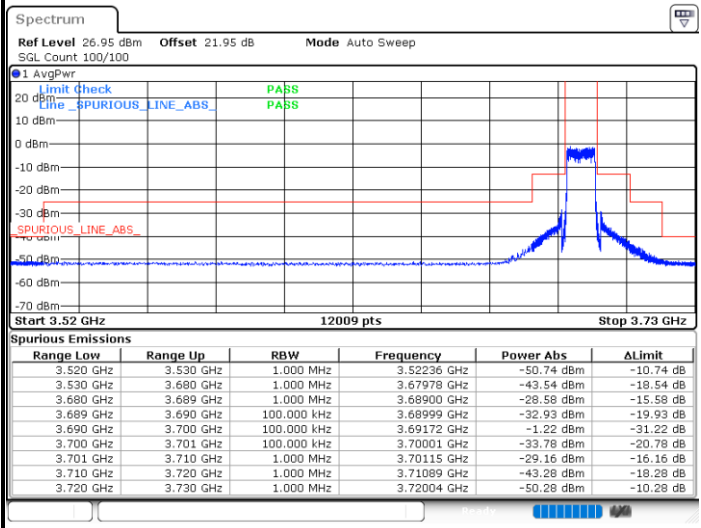
1RBmax



Date: 19.SEP.2022 13:57:09

Date: 19.SEP.2022 14:08:32

Full RB



Date: 19.SEP.2022 13:47:27

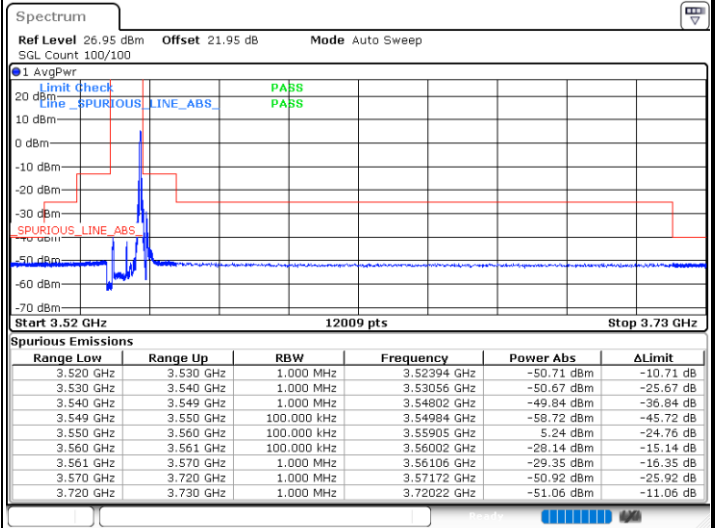
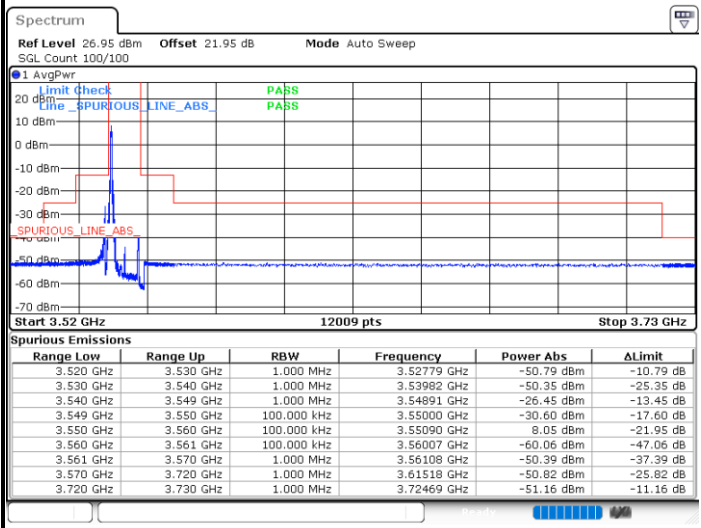


FR1 n48 / 10MHz / CP OFDM / 256QAM

Lowest Channel

1RB0

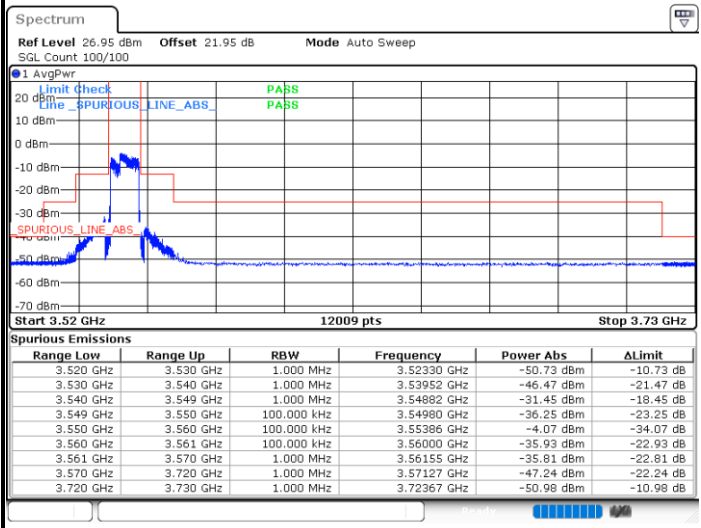
1RBmax



Date: 19.SEP.2022 13:51:30

Date: 19.SEP.2022 14:01:05

Full RB



Date: 19.SEP.2022 13:42:16

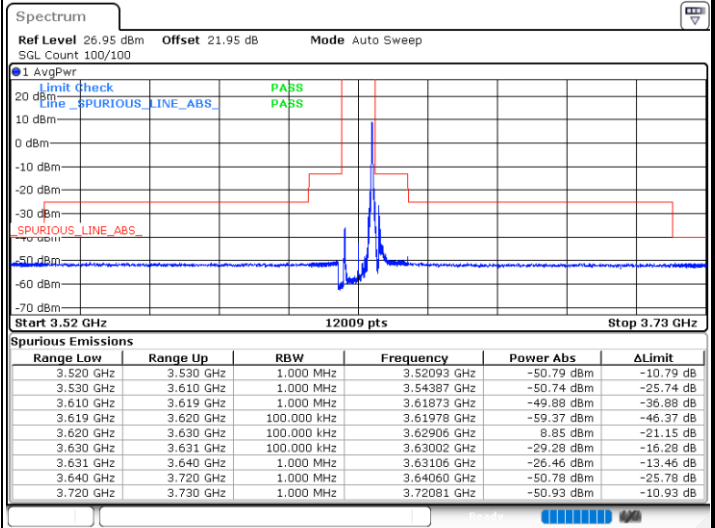
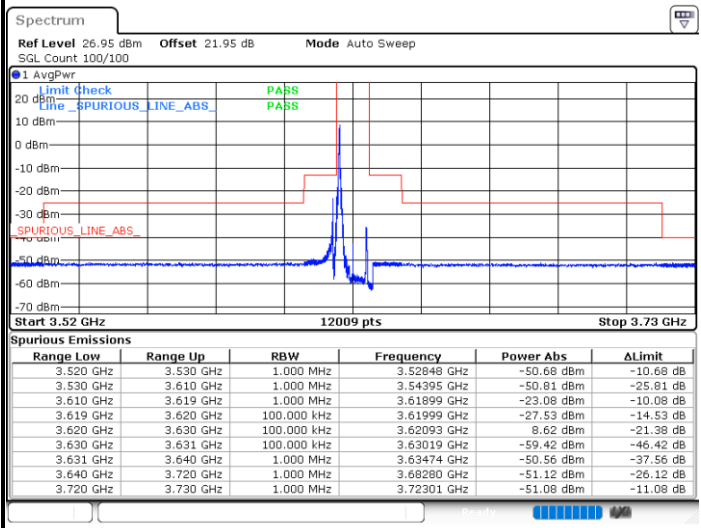


FR1 n48 / 10MHz / CP OFDM / 256QAM

Middle Channel

1RB0

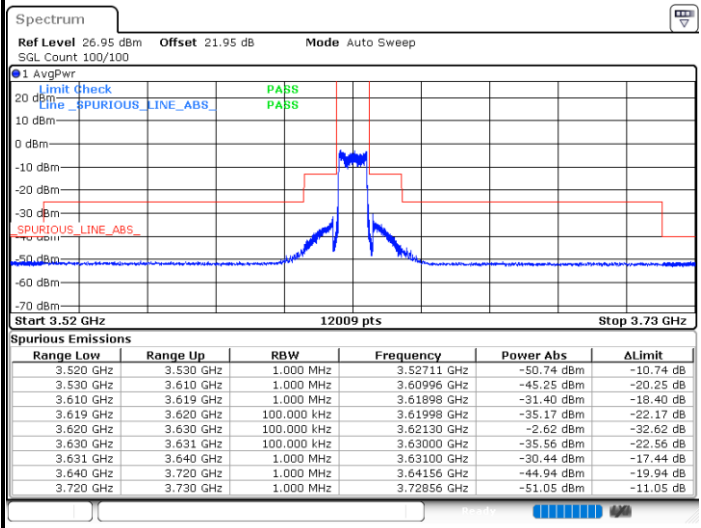
1RBmax



Date: 19.SEP.2022 13:54:46

Date: 19.SEP.2022 14:04:00

Full RB



Date: 19.SEP.2022 13:45:10

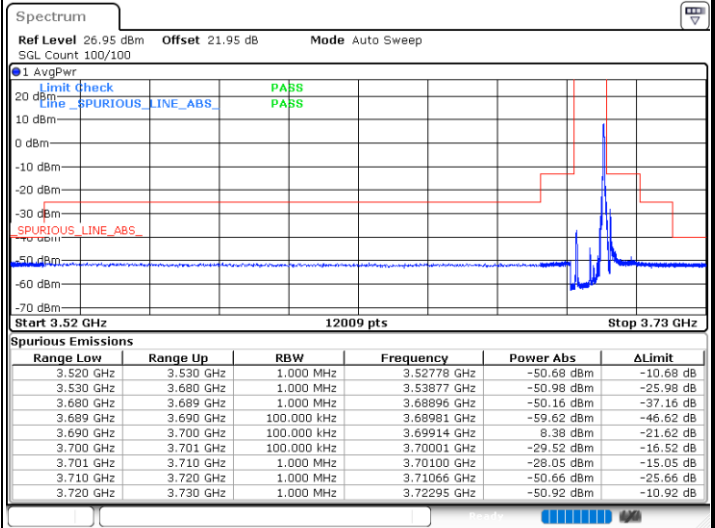
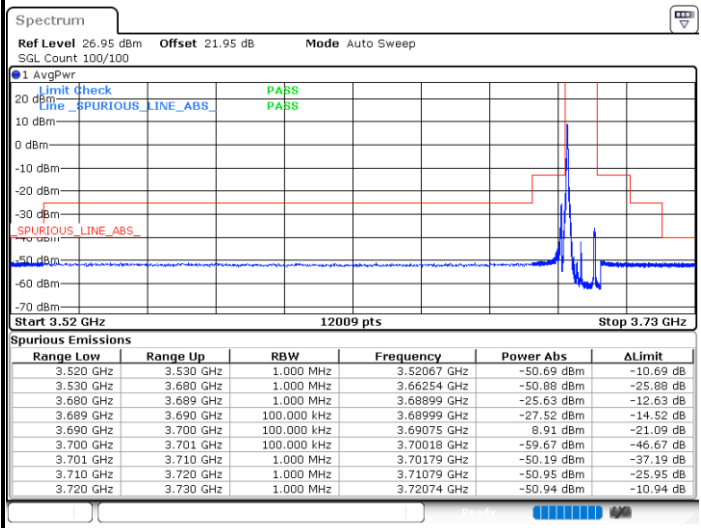


FR1 n48 / 10MHz / CP OFDM / 256QAM

Highest Channel

1RB0

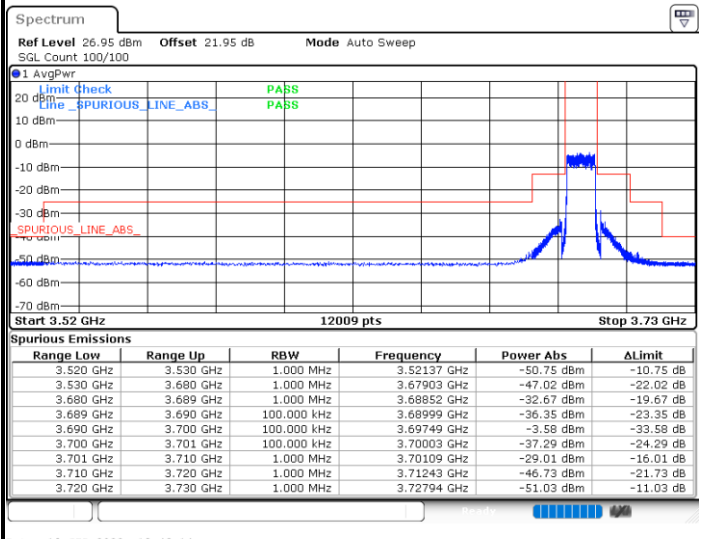
1RBmax



Date: 19.SEP.2022 13:57:48

Date: 19.SEP.2022 14:09:22

Full RB



Date: 19.SEP.2022 13:48:14

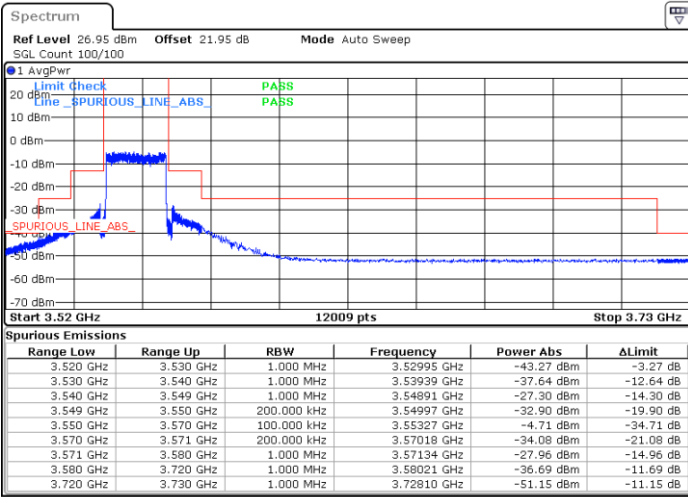


FR1 n48 / 20MHz / CP OFDM / QPSK

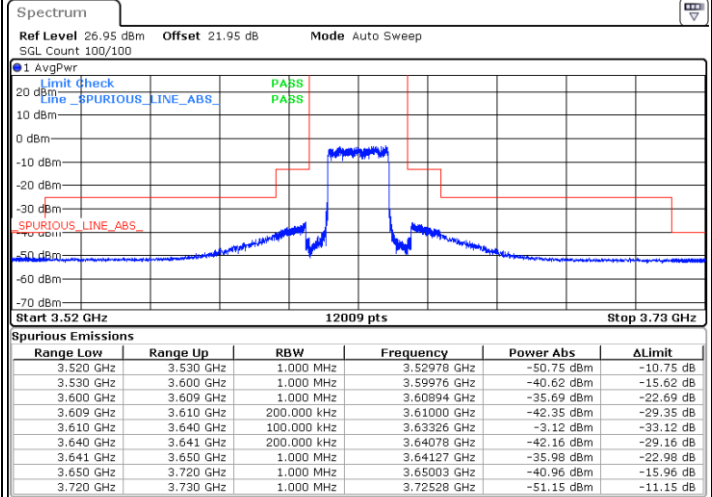
Full RB

Lowest Channel

Middle Channel

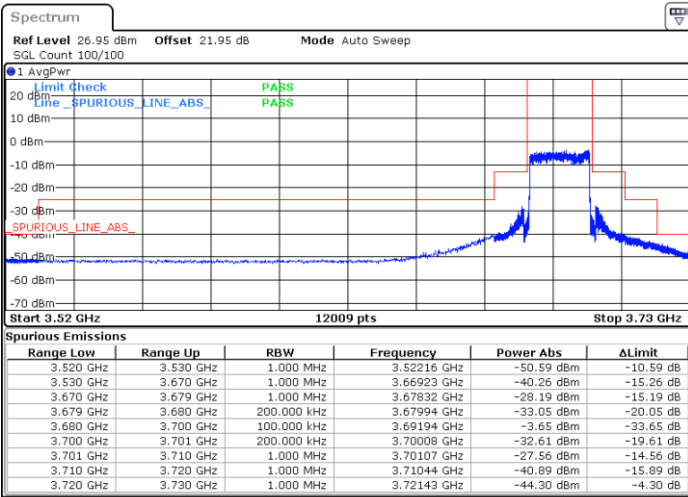


Date: 19.SEP.2022 15:09:24



Date: 19.SEP.2022 15:12:10

Highest Channel



Date: 19.SEP.2022 15:15:46

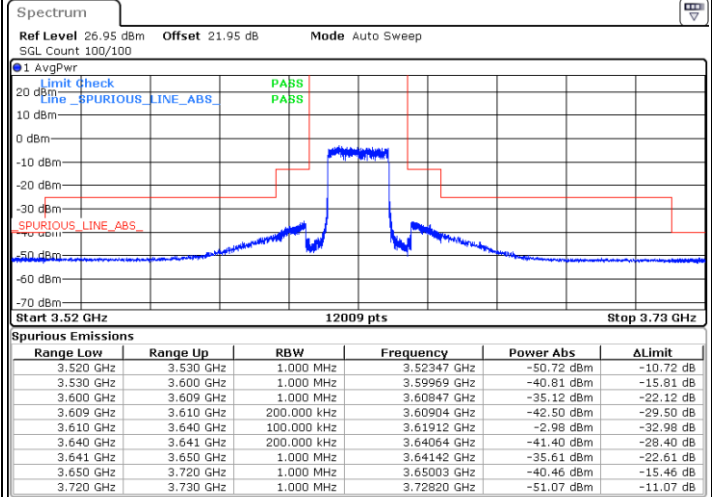
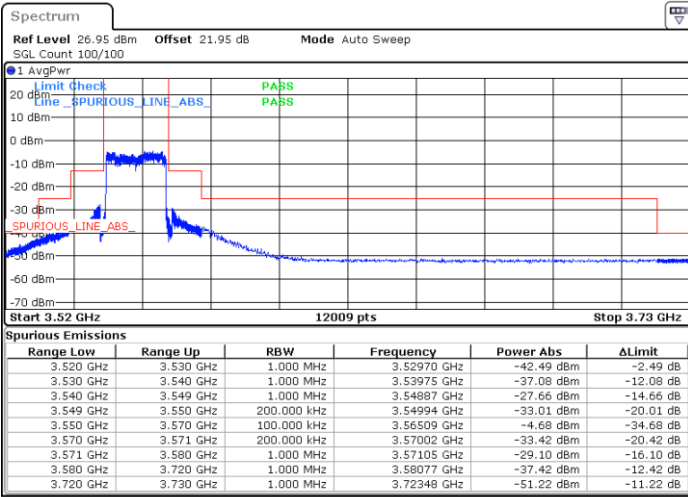


FR1 n48 / 20MHz / CP OFDM / 16QAM

Full RB

Lowest Channel

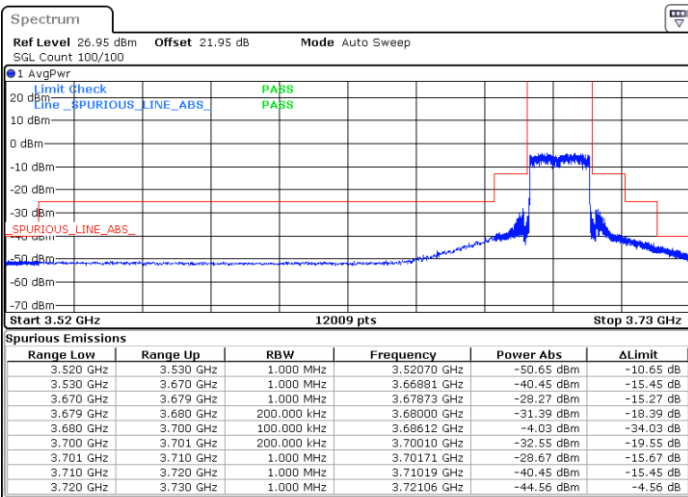
Middle Channel



Date: 19.SEP.2022 15:10:06

Date: 19.SEP.2022 15:12:56

Highest Channel



Date: 19.SEP.2022 15:16:56

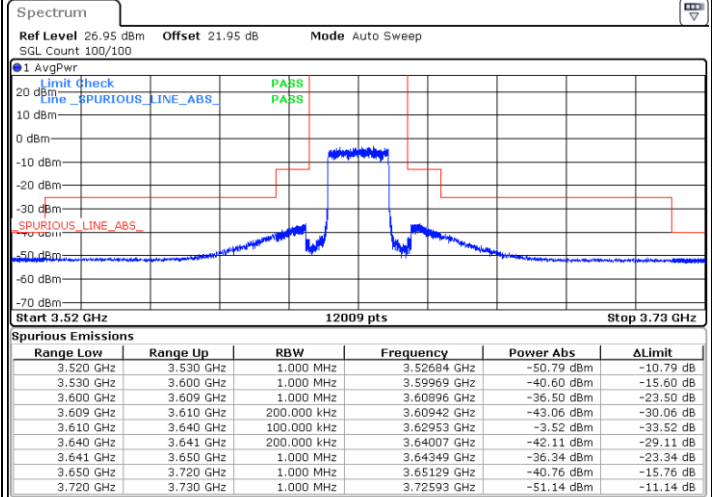
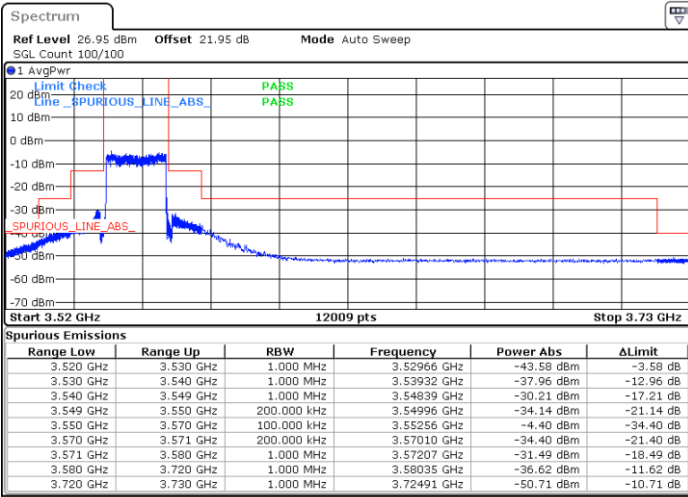


FR1 n48 / 20MHz / CP OFDM / 64QAM

Full RB

Lowest Channel

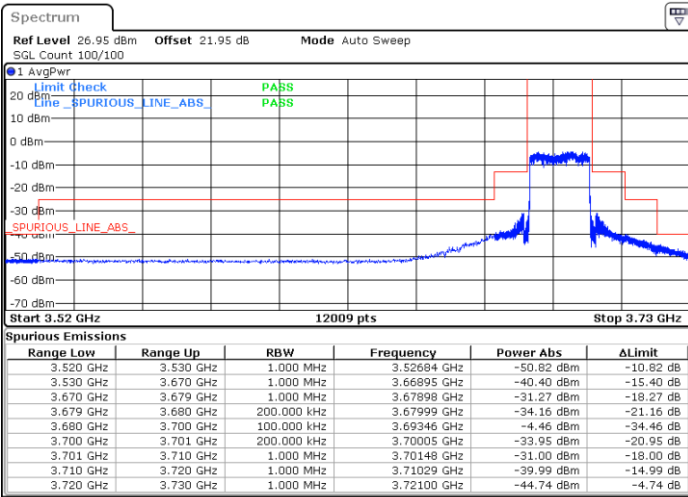
Middle Channel



Date: 19_SEP.2022 15:10:41

Date: 19_SEP.2022 15:13:33

Highest Channel



Date: 19_SEP.2022 15:18:49